



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Gerard Roofing Technologies
1100 Chase Road, Suite 100
Mesquite TX 75149

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code and the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Gerard Tile, Shake, Canyon Shake, Barrel Vault and NB Tile

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This revises NOA# 06-0420.05 and consists of pages 1 through 11.
The submitted documentation was reviewed by Alex Tigera.



NOA #: 06-1114.05
Expiration Date: 08/09/11
Approval Date: 01/11/07
Page 1 of 11

ROOFING SYSTEM APPROVAL:

Category: Roofing
Sub-Category: Metal, Panels (Non-Structural)
Material: Steel
Deck Type: Wood
Maximum Design Pressure -159.25 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Gerard Tile	Length = 15 ½" Width = 45 ¾" Thickness: .0195"	TAS 110 & TAS 125	Corrosion resistant, galvalume, preformed, coated with acrylic resin imbedded with mineral granules, metal panels simulating a tile profile.
Gerard Shake	Length = 15 ½" Width = 44 ¾" Thickness: .0195"	TAS 110 & TAS 125	Corrosion resistant, coated, preformed, metal panels simulating a shake profile.
Gerard Canyon Shake	Length = 16 ½" Width = 45" Thickness: .0195"	TAS 110 & TAS 125	Corrosion resistant, coated, preformed, metal panels simulating a shake profile.
Gerard Barrel Vault	Length = 15 ½" Width = 43 ¾" Thickness: .0195"	TAS 110 & TAS 125	Corrosion resistant, coated, preformed, metal panels simulating a barrel tile profile.
Gerard NB Tile	Length = 16" Width = 46" Thickness: .0195"	TAS 110 & TAS 125	Corrosion resistant, coated, preformed, metal panels simulating a tile profile.
Trim Pieces	Length: Varies Width: Varies	TAS 110	Standard flashing and trim pieces. Corrosion resistance galvalume.



EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Underwriters Laboratories Inc	90NK5767	Uplift Pressure Testing UL 1897	Sept. 1990
Center for Applied Engineering, Inc.	Project No. 307064 MDC-126	Wind Driven Rain TAS 100	April 1995
Underwriters Laboratories Inc	98NK14487	Fire Resistance ASTM E 108	May 1998
Building Research Association of New Zeland	MTR 794	Salt Spray ASTM B 117	Sept. 1985
Underwriters Laboratories, Inc.	90NK5767	Accelerated Weathering ASTM G 23	Sept. 1990
Hurricane Test Laboratory, LLC.	0102-0603-05	TAS 125	06/08/05
Hurricane Test Laboratory, LLC.	0351-0119-06	TAS 125	02/01/06



APPROVED SYSTEMS

SYSTEM A-1:	Gerard Tile, Shake, Canyon Shake, Barrel Vault, and NB Tile
Deck Type:	Wood, Non-insulated
Slope Range:	2":12" or greater
Maximum Uplift Pressure:	The maximum allowable uplift pressure for System A-1 shall be -52.5 psf

Deck Attachment: In accordance with applicable building code, but in no case shall it be less than # 8 x 1 1/2" long screws spaced 6" O.C. In reroofing, where the deck is less than 19/32" thick (Minimum 15/32") The above attachment method must be in addition to existing attachment.

Underlayment: Minimum underlayment shall be: (1) A double layer of an ASTM D 226 Type I, with a 19-inch headlap; or (2) A single layer of an ASTM D 226, type II with a 4-inch headlap; or (3) A single layer of an ASTM D 2626 coated base sheet with a 4 inch headlap. All endlaps shall be a minimum of 6 inches. Underlayment shall be fastened with corrosion resistant tin-caps and 1 1/4" annular ring-shank nails, spaced 6" o.c. at all laps and two staggered rows 12" o.c. in the field of the roll. Or, any Miami-Dade County Product Control Approved underlayment having a current NOA.

Fire Barrier: Any approved Fire Barrier having a current NOA. For class A or B fire rating, install minimum 1/4" thick Georgia Pacific "Dens Deck" (with current NOA) or minimum 4mm thick Tritex, RockRoof (with current NOA) or 5/8" water resistance type X gypsum sheathing with treated core facer.

Battens: Install minimum 2" x 2" wood battens over underlayment and fire barrier, running perpendicular to the roof slope, at a maximum spacing of 14 1/2" o.c.. Attach wood battens through deck to wood trusses spaced 24" o.c. fastened with 16d x 3 1/2" long nails.

Valleys: Valley construction shall be in compliance with Roofing Application Standard RAS 133 and with the current published installation instruction and details in Gerard Roofing Installation Manual.

Metal Panels and Accessories: Install the "Gerard Tile, Shake, Canyon Shake, Barrel Vault, and NB Tile" and accessories in compliance with Gerard Roofing Technologies installation instructions and details in Gerard Roofing Installation Manual. Flashings, penetrations, valley construction and other details shall be constructed in compliance with Roofing Application Standard RAS 133. Panels fastened to battens with Approved nails driven into (lower) butt edges of upper course and upper edge of adjacent lower course. A minimum of five Approved nails or #10 x 2" long wood screws for each Panel.



SYSTEM B-1: Gerard Tile, Shake, Canyon Shake, Barrel Vault, and NB Tile
Deck Type: Wood, Non-insulated
Slope Range: 2":12" or greater
Maximum Uplift Pressure: The maximum allowable uplift pressure for System B-1 shall be **-91.75 psf**

Deck Attachment: In accordance with applicable building code, but in no case shall it be less than # 8 x 1 1/2" long screws spaced 6" O.C. In reroofing, where the deck is less than 19/32" thick (Minimum 15/32") The above attachment method must be in addition to existing attachment.

Underlayment: Minimum underlayment shall be: (1) A double layer of an ASTM D 226 Type I, with a 19-inch headlap; or (2) A single layer of an ASTM D 226, type II with a 4-inch headlap; or (3) A single layer of an ASTM D 2626 coated base sheet with a 4 inch headlap. All endlaps shall be a minimum of 6 inches. Underlayment shall be fastened with corrosion resistant tin-caps and 1 1/4" annular ring-shank nails, spaced 6" o.c. at all laps and two staggered rows 12" o.c. in the field of the roll. Or, any Miami-Dade County Product Control Approved underlayment having a current NOA.

Fire Barrier: Any approved Fire Barrier having a current NOA. For class A or B fire rating, install minimum 1/4" thick Georgia Pacific "Dens Deck" (with current NOA) or minimum 4mm thick Tritex, RockRoof (with current NOA) or 5/8" water resistance type X gypsum sheathing with treated core facer.

Battens: Install minimum 2" x 2" wood battens over underlayment and fire barrier, running perpendicular to the roof slope, at a maximum spacing of 14 1/2" o.c.. Attach wood battens through deck to wood trusses spaced 24" o.c. fastened with two 16d x 3 1/2" long nails.

Valleys: Valley construction shall be in compliance with Roofing Application Standard RAS 133 and with the current published installation instruction and details in Gerard Roofing Installation Manual.

Metal Panels and Accessories: Install the "Gerard Tile, Shake, Canyon Shake, Barrel Vault, and NB Tile Shake" and accessories in compliance with Gerard Roofing Technologies installation instructions and details in Gerard Roofing Installation Manual. Flashings, penetrations, valley construction and other details shall be constructed in compliance with Roofing Application Standard RAS 133. Panels fastened to battens with Approved nails driven into (lower) butt edges of upper course and upper edge of adjacent lower course. A minimum of five Approved nails or #10 x 2" long wood screws for each Panel.



SYSTEM C-1: Gerard Tile, Shake, Canyon Shake, Barrel Vault, and NB Tile
Deck Type: Wood, Non-insulated
Slope Range: 2":12" or greater
Maximum Uplift Pressure: The maximum allowable uplift pressure for System C-1 shall be **-159.25 psf**

Deck Attachment: In accordance with applicable building code, but in no case shall it be less than # 8 x 1 1/2" long screws spaced 6" O.C. In reroofing, where the deck is less than 19/32" thick (Minimum 15/32") The above attachment method must be in addition to existing attachment.

Underlayment: Minimum underlayment shall be: (1) A double layer of an ASTM D 226 Type I, with a 19-inch headlap; or (2) A single layer of an ASTM D 226, type II with a 4-inch headlap; or (3) A single layer of an ASTM D 2626 coated base sheet with a 4 inch headlap. All endlaps shall be a minimum of 6 inches. Underlayment shall be fastened with corrosion resistant tin-caps and 1 1/4" annular ring-shank nails, spaced 6" o.c. at all laps and two staggered rows 12" o.c. in the field of the roll. Or, any Miami-Dade County Product Control Approved underlayment having a current NOA.

Fire Barrier: Any approved Fire Barrier having a current NOA. For class A or B fire rating, install minimum 1/4" thick Georgia Pacific "Dens Deck" (with current NOA) or minimum 4mm thick Tritex, RockRoof (with current NOA) or 5/8" water resistance type X gypsum sheathing with treated core facer.

Battens: Install minimum 2" x 2" wood battens over underlayment and fire barrier, running perpendicular to the roof slope, at a maximum spacing of 14 1/2" o.c.. Attach wood battens through deck to wood trusses spaced 24" o.c. fastened with two #8 x 3" long bugle phillips steel screws.

Valleys: Valley construction shall be in compliance with the minimum requirements provided in Roofing Application Standard RAS 133.

Metal Panels and Accessories: Install the " Gerard Tile, Shake, Canyon Shake, Barrel Vault, and NB Tile " and accessories in compliance with Gerard Roofing Technologies' current, published installation instructions and details. Flashings, penetrations, valley construction and other details shall be constructed in compliance with the minimum requirements provided in Roofing Application Standard RAS 133. Panels fastened to battens with approved 8d ring shank nails min. 2-3/8" long, driven into (lower) butt edges of upper course and upper edge of adjacent lower course. A minimum of eight approved nails or #10 x 2" long wood screws for each Panel.



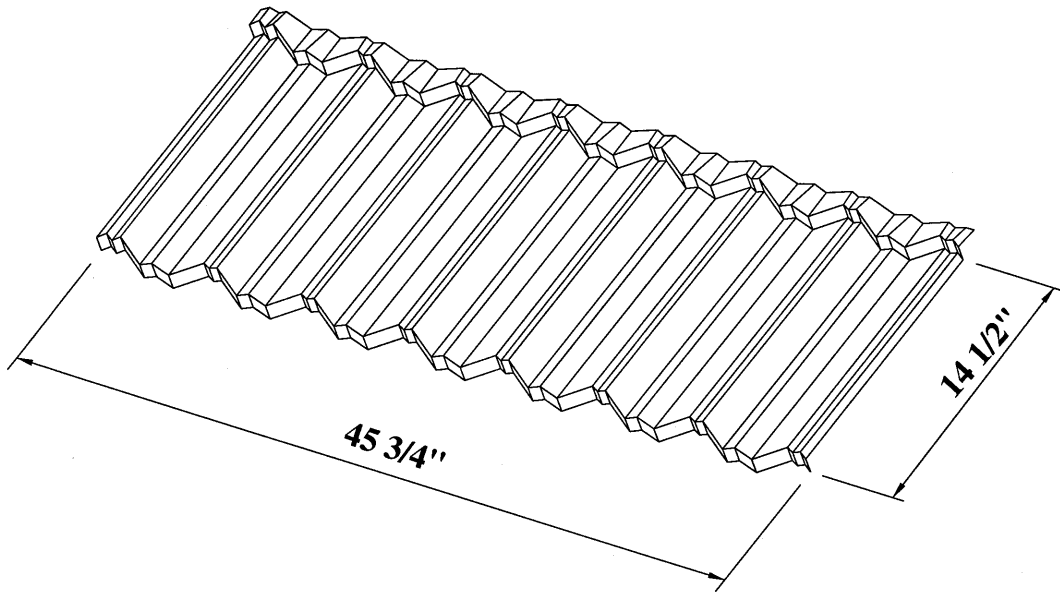
SYSTEM LIMITATIONS

1. The maximum designed pressure listed herein shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners).
2. All panels shall be permanently labeled with the manufacturer's name and/or logo, and the following statement: "Miami-Dade County Product Control Approved."
3. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9B-72 of the Florida Administrative Code.

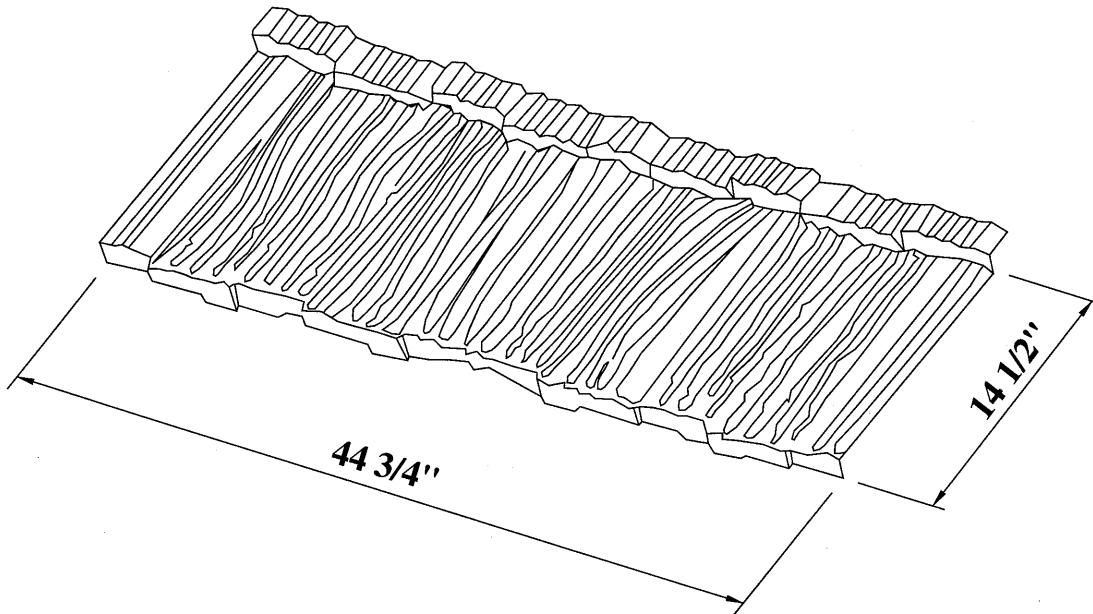


DETAIL DRAWING:

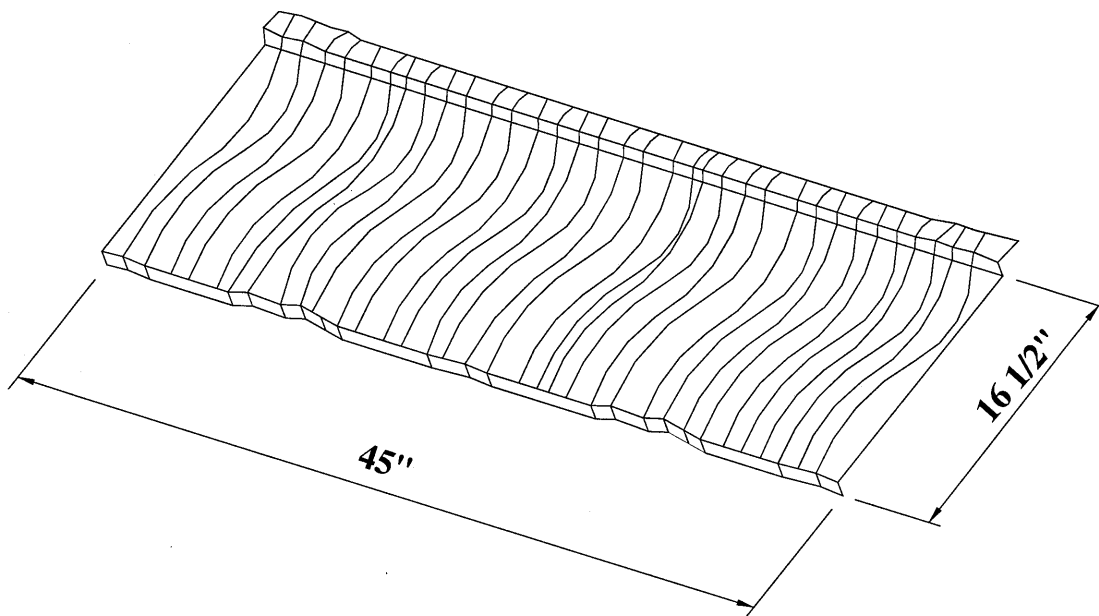
GERARD TILE



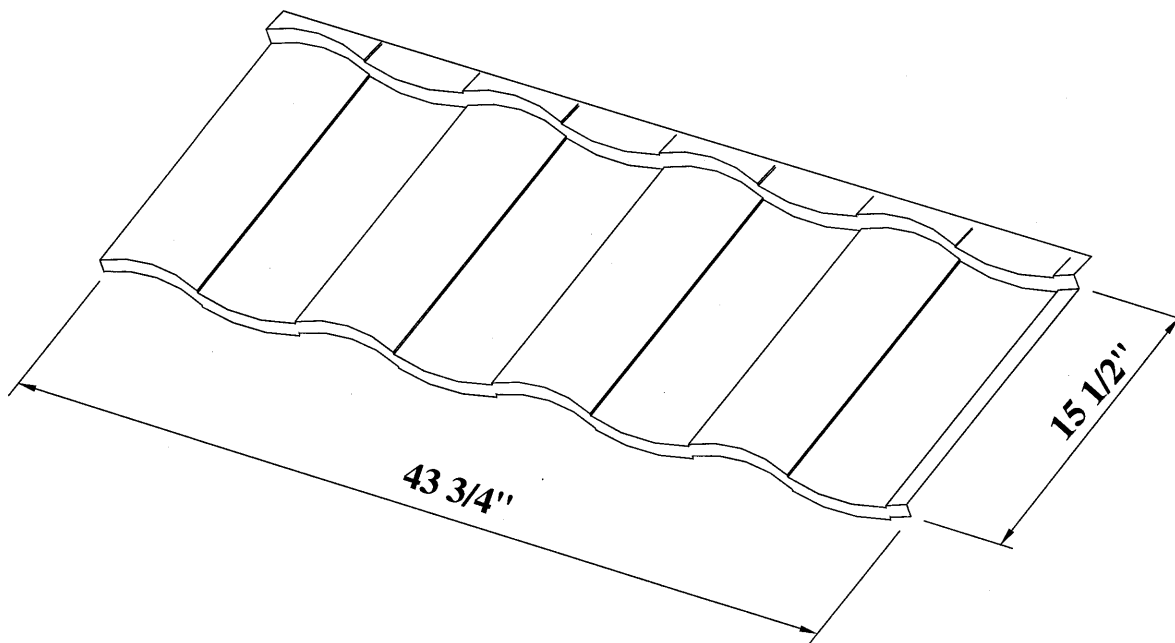
GERARD SHAKE



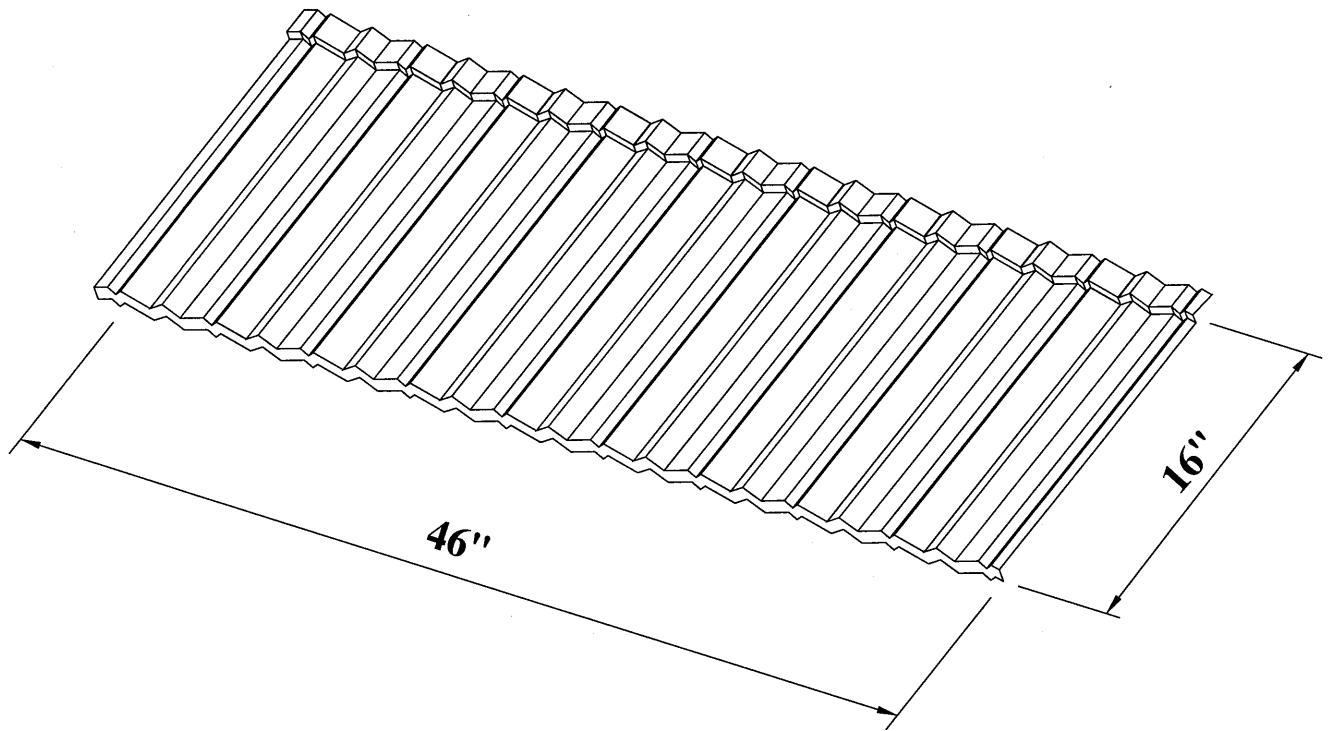
GERARD CANYON SHAKE



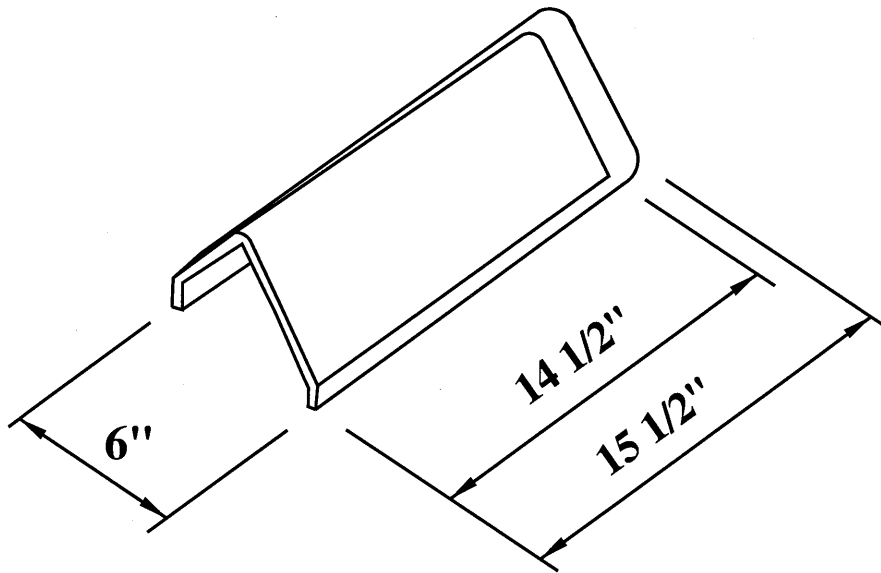
GERARD BARREL VAULT



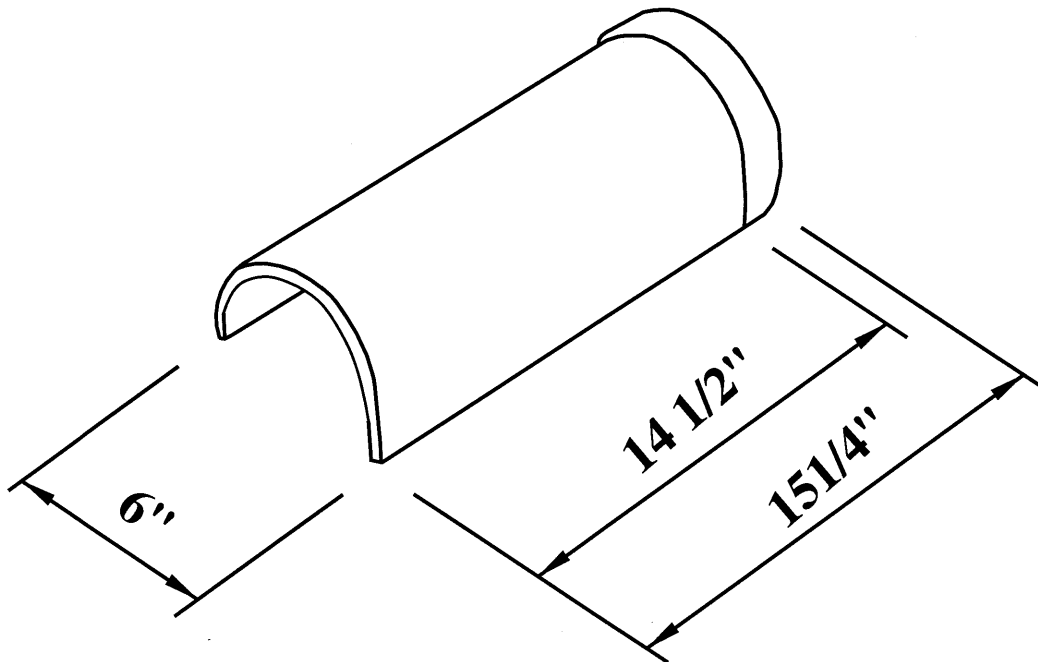
GERARD NB TILE



GERARD SHAKE CAP



GERARD MISSION TRIM



END OF THIS ACCEPTANCE

